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made in the literature for that year are reflected in Hygienic Laboratory Bulletin No. 98. The fact, however, that deterioration does occur and that it frequently is not recognized by the pharmacist who sells the preparation, is but an additional reason for the enforcement of existing laws and a justification of the resolution adopted by the American Medical Association (J. Am. M. Assoc., 1913, v. 60, p. 2086), which reads as follows:

Whereas it has been repeatedly shown by the council on pharmacy and chemistry and by the chemical laboratory of the A. M. A., as well as by other investigators, that many drugs and preparations used in the treatment of disease are of unreliable composition, through carelessness, negligence, ignorance, and other reasons; and

Whereas this condition of affairs is against the interest of public health and the progress of the science of medicine; therefore it is evident that greater activity is needed in the enforcement of existing laws relating to drugs and medicines; therefore be it

Resolved, That the section on pharmacology and therapeutics requests the house of delegates of the A. M. A. to bring this matter to the attention of the proper Federal and State authorities and urge on them the need for more energetic and effective action in this direction.

From what has been said it would appear that a more energetic and effective control of all drugs and preparations is needed. The desirable and only really efficient method of control involves honesty, knowledge, vigilance, and care on the part of the person selling the product.

Members of boards of health and other State and Federal officials entrusted with the enforcement of laws designed to control the purity and strength of medicinal products should call attention to the desirability of having these laws enforced in a way to secure for the purchaser drugs of uniform strength and purity, with a view of minimizing as much as possible the untoward or secondary effects of potent medicines, irrespective of whether they are used as household remedies or under the direct supervision of a competent physician.

PLAGUE-ERADICATIVE WORK.

CALIFORNIA.

The following report of plague-eradication work in California for the week ended January 9, 1915, has been received from Passed Asst. Surg. Hurley, of the United States Public Health Service, in temporary charge of the work:

San Francisco, Cal.

RAT PROOFING.

New buildings:		Total area of concrete laid (sq. ft., 92,444).	
Inspections of work under construction.	214	Class A, B, and C (fireproof) buildings:	
Basements concreted (sq. ft., 41,688).....	62	Inspections made.....	253
Floors concreted (sq. ft., 30,701).....	35	Roof and basement ventilators, etc.,	
Yards, passageways, etc. (sq. ft., 20,055).	101	screened.....	1,316

San Francisco, Cal.—Continued.

RAT PROOFING—continued.		OPERATIONS ON THE WATER FRONT—continued.	
Class A, B, and C (fireproof) buildings—Con.		Steamers Congress and Admiral Farragut, from Seattle (condition, O. K.; rat evidence, none):	
Wire screening used (sq. ft., 6,626).		Milk, candies, crackers, salmon, and household goods.....cases..	340
Openings around pipes, etc., closed with cement.....	7,060	Flour and split peas.....sacks..	900
Sidewalk lens lights replaced.....	3,000	Rats trapped on wharves and water front...	36
Old buildings:		Rats trapped on vessels.....	12
Inspections made.....	294	Traps set on wharves and water front.....	137
Wooden floors removed.....	27	Traps set on vessels.....	52
Yards and passageways, planking removed.....	12	Vessels trapped on.....	12
Cubic feet new foundation walls installed	12,421	Poisons placed on water front.....pieces..	1,800
Concrete floors installed (sq. ft., 49,956).	55	Bait used on water front and vessels, bacon, pounds.....	6
Basements concreted (sq. ft., 13,339)....	16	Amount of bread used in poisoning water front.....loaves..	6
Yards and passageways, etc., concreted (sq. ft., 24,157).....	113	Pounds of poison used on water front.....	3
Total area concrete laid (sq. ft., 87,432).			
Floors rat proofed with wire cloth (sq. ft., 5,700).....	2	RATS COLLECTED AND EXAMINED FOR PLAGUE.	
Buildings rized.....	14	Collected.....	363
New garbage cans stamped (approved).....	460	Examined.....	271
Nuisances abated.....	323	Found infected.....	0
OPERATIONS ON THE WATER FRONT.		RATS IDENTIFIED.	
Vessels inspected for rat guards.....	24	Mus norvegicus.....	133
Reinspections made on vessels.....	23	Mus rattus.....	82
New rat guards procured.....	6	Mus alexandrinus.....	80
Defective rat guards repaired.....	2	Mus musculus.....	70
Vessels on which cargo was inspected.....	2		

Squirrels collected and examined for plague.

Contra Costa County.....	85
San Benito County.....	16
Total.....	101

Ranches inspected and hunted over.

Contra Costa County.....	22
San Benito County.....	4
Total.....	26

Record of plague infection.

Places in California.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number rodents found infected since May, 1907.
Cities:				
San Francisco.....	Jan. 30, 1903	Oct. 23, 1903	None.....	398 rats.
Oakland.....	Aug. 9, 1911	Dec. 1, 1903	do.....	126 rats.
Berkeley.....	Aug. 28, 1907	None.....	do.....	None.
Los Angeles.....	Aug. 11, 1903	do.....	Aug. 21, 1903	1 squirrel.
Counties:				
Alameda (exclusive of Oakland and Berkeley).	Sept. 24, 1909	Oct. 17, 1909 ¹	Aug. 7, 1914	286 squirrels
Contra Costa.....	May 17, 1914	None.....	Oct. 23, 1914	wood rat.
Fresno.....	None.....	do.....	Oct. 27, 1911	1,565 squirrels.
Merced.....	do.....	do.....	July 12, 1911	1 squirrel.
Monterey.....	do.....	do.....	Apr. 10, 1914	5 squirrels.
San Benito.....	June 4, 1913	do.....	Sept. 26, 1914	6 squirrels.
San Joaquin.....	Sept. 18, 1911	do.....	Aug. 26, 1911	36 squirrels.
San Luis Obispo.....	None.....	do.....	Jan. 29, 1910	18 squirrels.
Santa Clara.....	Aug. 31, 1910	do.....	July 23, 1913	1 squirrel.
Santa Cruz.....	None.....	do.....	May 17, 1910	25 squirrels.
Stanislaus.....	do.....	do.....	June 2, 1911	3 squirrels.
				13 squirrels.

¹ Wood rat.

The work is being carried on in the following named counties: Alameda, Contra Costa, San Francisco, Merced, San Joaquin, Santa Cruz, Stanislaus, San Benito, Santa Clara, and San Mateo.

LOUISIANA—NEW ORLEANS.

The following report of plague-eradivative work in New Orleans for the week ended January 16, 1915, has been received from Surg. Corput, of the United States Public Health Service, in temporary charge of the work:

OUTGOING QUARANTINE.		DESTINATION AND NUMBER OF RAILROAD CARS INSPECTED FOR WEEK ENDED JAN. 16—contd.	
Vessels fumigated with sulphur.....	40	Minnesota.....	4
Vessels fumigated with carbon monoxide...	21	Mississippi.....	530
Vessels fumigated with hydrocyanic gas....	2	Missouri.....	58
Pounds of sulphur used.....	4,547	Nebraska.....	5
Coal consumed in carbon monoxide fumigation (pounds).....	32,600	New Jersey.....	4
Pounds of potassium cyanide used in hydrocyanic gas fumigation.....	170	New York.....	9
Pounds of sodium carbonate used in hydrocyanic gas fumigation.....	170	Ohio.....	55
Pounds of sulphuric acid used in hydrocyanic gas fumigation.....	280	Pennsylvania.....	13
Clean bills of health issued.....	32	Rhode Island.....	3
Foul bills of health issued.....	8	Texas.....	167
		Utah.....	1
		Vermont.....	6
		West Virginia.....	4
		Wisconsin.....	6
		Canada.....	7
OVERLAND FREIGHT INSPECTION.		FIELD OPERATIONS.	
Cars inspected, found in good order; permitted to load.....	1,869	Rats trapped.....	8,933
Cars ordered repaired before loading.....	1,338	Premises inspected.....	8,749
Total cars inspected.....	3,207	Notices served.....	1,795
DESTINATION AND NUMBER OF RAILROAD CARS INSPECTED FOR WEEK ENDED JAN. 16.		BUILDINGS RAT PROOFED.	
Alabama.....	101	By elevation.....	113
Arizona.....	1	By marginal concrete wall.....	123
Arkansas.....	41	By concrete floor and walls.....	245
California.....	14	By minor repairs.....	169
Carolina, North.....	7	Square yards of concrete laid.....	13,835
Carolina, South.....	4	Total buildings rat proofed.....	659
Colorado.....	15	Total buildings rat proofed to date.....	8,154
Connecticut.....	1	Abatements.....	612
Dakota, North.....	2	Abatements to date.....	18,688
Dakota, South.....	7		
Florida.....	24	LABORATORY OPERATIONS.	
Georgia.....	40	Rodents examined.....	4,410
Idaho.....	2	Mus norvegicus.....	2,010
Illinois.....	433	Mus rattus.....	115
Indiana.....	20	Mus alexandrinus.....	346
Iowa.....	10	Mus musculus.....	4,660
Kansas.....	7	Unclassified and putrid.....	1,264
Kentucky.....	37	Total rodents received at laboratory.....	8,759
Louisiana.....	1,018	Suspicious rats.....	30
Massachusetts.....	1	Plague rats confirmed.....	4

Rodent cases.

Case No.	Address.	Rodent found dead.	Diagnosis confirmed.	Treatment of premises.
223	Stuyvesant Docks, Wharf 6.....	Jan. 4	Jan. 11	Intensive trapping.
224	.....do.....	.....do.....	.....do.....	See case 223.
225	.....do.....	Jan. 6	.....do.....	Do.
226	.....do.....	Jan. 7	Jan. 12	Do.

Total number of rodents captured to Jan. 16. 232,949

Total number of rodents examined to Jan. 16 192,420

Rodent cases to Jan. 16, by species:

Mus rattus.....	15
Mus musculus.....	4

Rodent cases to Jan. 16, by species—Continued.

Mus alexandrinus.....	8
Mus norvegicus.....	199

Total rodent cases to Jan. 16..... 226

WASHINGTON—SEATTLE.

The following report of plague-eradication work in Seattle for the week ended January 2, 1915, has been received from Surg. Lloyd, of the United States Public Health Service, in charge of the work:

RAT PROOFING.		WATER FRONT.	
New buildings inspected.....	49	Vessels inspected and histories recorded....	4
Basements concreted (8).....square feet..	9,821	Vessels fumigated.....	2
Floors concreted, new buildings (12).....do....	26,454	Sulphur used.....pounds..	3,100
Yards, etc., concreted, new structures (3), square feet.....	2,460	Rat guards installed.....	8
Sidewalks concreted.....square feet..	16,750	Defective rat guards repaired.....	14
Total concrete laid, new structures, square feet.....	55,485	Canal Zone certificates issued.....	2
New buildings elevated.....	3	Port sanitary statements issued.....	42
New premises rat proofed, concrete.....	46	LABORATORY AND RODENT OPERATIONS.	
Old buildings inspected.....	3	Dead rodents received.....	22
Old buildings rat proofed.....	1	Rodents trapped and killed.....	364
Floors concreted, old building.....	1	Total.....	386
Premises otherwise rat proofed, old buildings.....	2	Rodents examined for plague infection.....	309
Openings screened, old buildings.....	18	Rodents proven plague infected.....	0
Wooden floors removed, old building.....	1	Blocks poisoned.....	15
Wire screening used.....square feet..	3,560	Poison distributed.....pounds..	42
Buildings razed.....	2	CLASSIFICATION OF RODENTS.	
		Mus rattus.....	8
		Mus alexandrinus.....	92
		Mus norvegicus.....	230
		Mus musculus.....	56

The usual day and night patrol was maintained to enforce rat guarding and fending.

Rodents examined in Tacoma.

Mus norvegicus found dead.....	5
Mus norvegicus trapped.....	3
Total.....	8
Rodents examined for plague infection.....	8
Rodents proven plague infected.....	0

HAWAII.

The following reports of plague-eradication work in Hawaii have been received from Surg. Trotter, of the United States Public Health Service:

Honolulu.

WEEK ENDED JAN. 2, 1915.

Total rats and mongoose taken.....	381	Classification of rats trapped:	
Rats trapped.....	373	Mus alexandrinus.....	193
Mongoose trapped.....	7	Mus musculus.....	133
Rats killed by sulphur dioxide.....	1	Mus norvegicus.....	38
Examined microscopically.....	317	Mus rattus.....	9
Showing plague infection.....	0	Classification of rats killed by sulphur dioxide:	
		Mus musculus.....	1

WEEK ENDED JAN. 9, 1915.

Total rats and mongoose taken.....	475	Classification of rats killed by sulphur dioxide:	
Rats trapped.....	451	Mus alexandrinus.....	6
Mongoose trapped.....	14	Mus norvegicus.....	1
Rats killed by sulphur dioxide.....	10	Mus rattus.....	3
Examined microscopically.....	393	Average number of traps set daily.....	1,085
Showing plague infection.....	0	Cost per rat destroyed.....cents..	17½
Classification of rats trapped:		Last case rat plague Aiea, 9 miles from Honolulu,	
Mus alexandrinus.....	209	Apr. 12, 1910.	
Mus musculus.....	162	Last case human plague Honolulu, July 12, 1910.	
Mus norvegicus.....	50	Last case rat plague Kalopa stable, Paauhau, Ha-	
Mus rattus.....	30	waii, Aug. 29, 1914.	
		Last case human plague Paauhau Landing, Hawaii,	
		Aug. 17, 1914.	

Hilo.

WEEK ENDED DEC. 26, 1914.

Rats and mongoose taken.....	2,077	Rats and mongoose plague infected.....	0
Rats trapped.....	2,632	Classification of rats trapped and found dead:	
Rats found dead.....	23	Mus norvegicus.....	470
Mongoose taken.....	22	Mus alexandrinus.....	219
Rats and mongoose examined macroscopi-		Mus rattus.....	546
cally.....	2,077	Mus musculus.....	820

WEEK ENDED JAN. 2, 1915.

Rats and mongoose taken.....	1,719	Classification of rats trapped and found dead:	
Rats trapped.....	1,691	Mus norvegicus.....	346
Rats found dead.....	10	Mus alexandrinus.....	213
Mongoose taken.....	18	Mus rattus.....	422
Rats and mongoose examined macroscopi-		Mus musculus.....	715
cally.....	1,719	Last case of rat plague, Paauhau Sugar Co.,	
Rats and mongoose plague infected.....	0	Aug. 29, 1914.	
		Last case of human plague, Paauhau Sugar	
		Co., Aug. 16, 1914.	